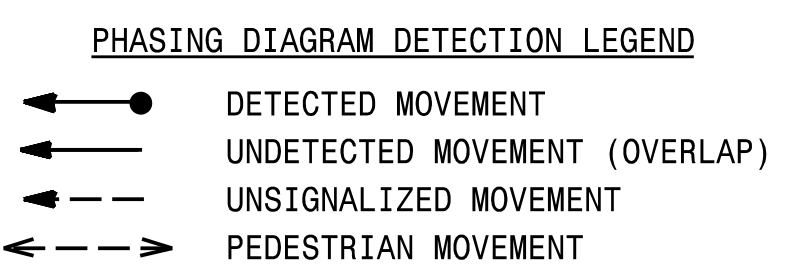
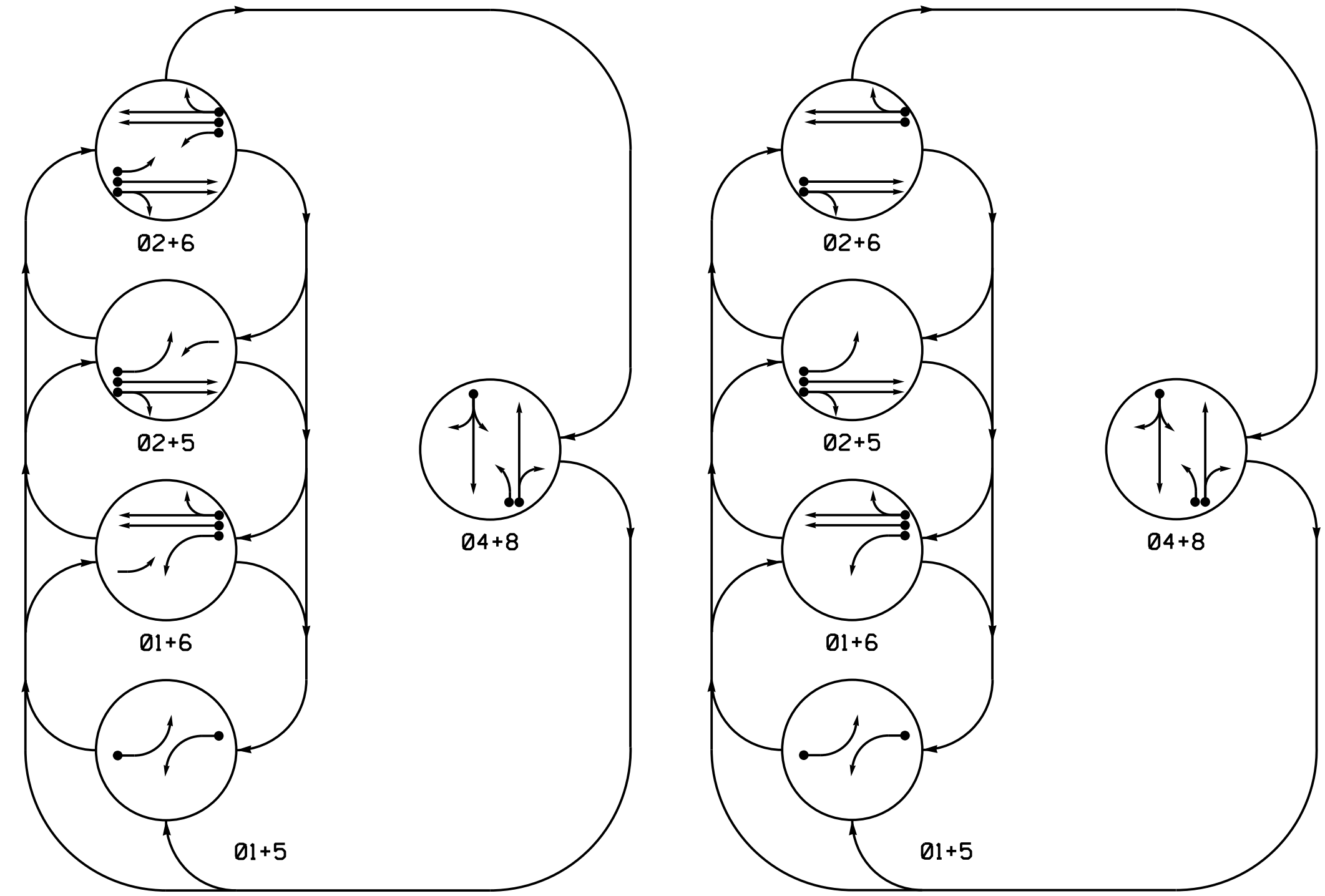


**DEFAULT PHASING DIAGRAM**

**ALTERNATE PHASING DIAGRAM**



**DEFAULT PHASING TABLE OF OPERATION**

SIGNAL FACE	PHASE							
	01+5	01+6	02+5	02+6	04+8	F	H	S
11			F	F				
21,22	R	R	G	G	R	Y		
41,42	R	R	R	R	G	R		
51		F		F				
61,62	R	G	R	G	R	Y		
81	R	R	R	R	F	R		
82,83,84	R	R	R	R	G	R		

**ALTERNATE PHASING TABLE OF OPERATION**

SIGNAL FACE	PHASE							
	01+5	01+6	02+6	02+6	04+8	F	H	S
11								
21,22	R	R	G	G	R	Y		
41,42	R	R	R	R	G	R		
51		R		R				
61,62	R	G	R	G	R	Y		
81	R	R	R	R	F	R		
82,83,84	R	R	R	R	G	R		

**MAXTIME DETECTOR INSTALLATION CHART**

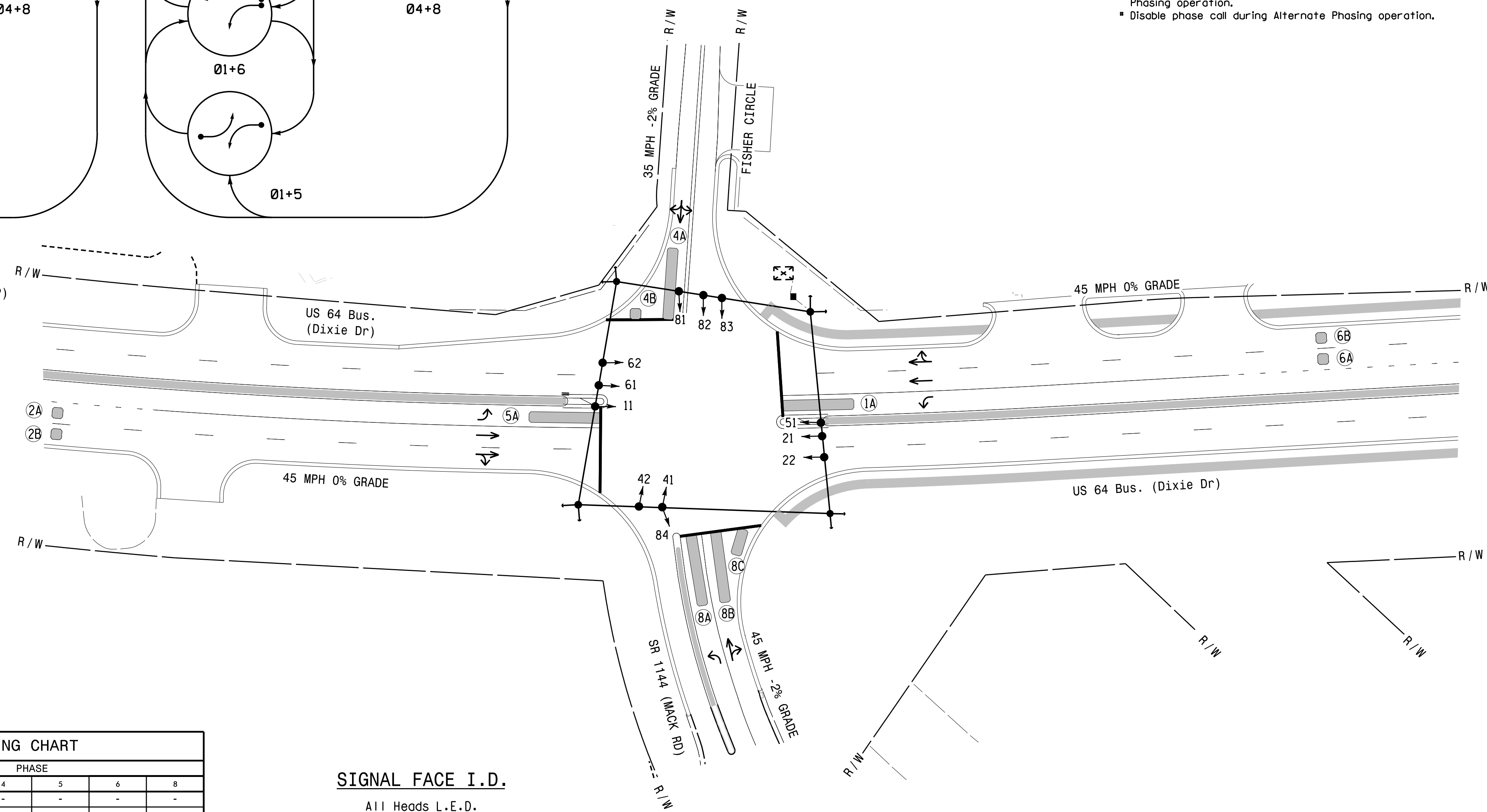
ZONE	SIZE (FT)	DISTANCE FROM STOPBAR (FT)	TURNS	PROGRAMMING							
				NEW LOOP	CALL PHASE	DELAY TIME	EXTEND TIME	EXTEND	ADDED INITIAL	CALL	DELAY DURING GREEN
1A*	6X40	0	*	*	1	**15	-	X	X	X	*
2A*	6X6	300	*	*	2	-	-	X	X	X	*
2B*	6X6	300	*	*	2	-	-	X	X	X	*
4A*	6X40	0	*	*	4	3	-	X	X	X	*
4B*	6X6	0	*	*	4	15	-	X	X	X	*
5A*	6X40	0	*	*	5	**15	-	X	X	X	*
6A*	6X6	300	*	*	6	-	-	X	X	X	*
6B*	6X6	300	*	*	6	-	-	X	X	X	*
8A*	6X40	0	*	*	8	3	-	X	X	X	*
8B*	6X40	0	*	*	8	10	-	X	X	X	*
8C*	6X15	0	*	*	8	15	-	X	X	X	*

\* Microwave Detection  
 \*\* Reduce Delay to 3 seconds for loop during Alternate Phasing operation.  
 \* Disable phase call during Alternate Phasing operation.

5 Phase Fully Actuated Signal System #D08-29\_Asheboro US 64 Bus-NC 49 (Asheboro)

**NOTES**

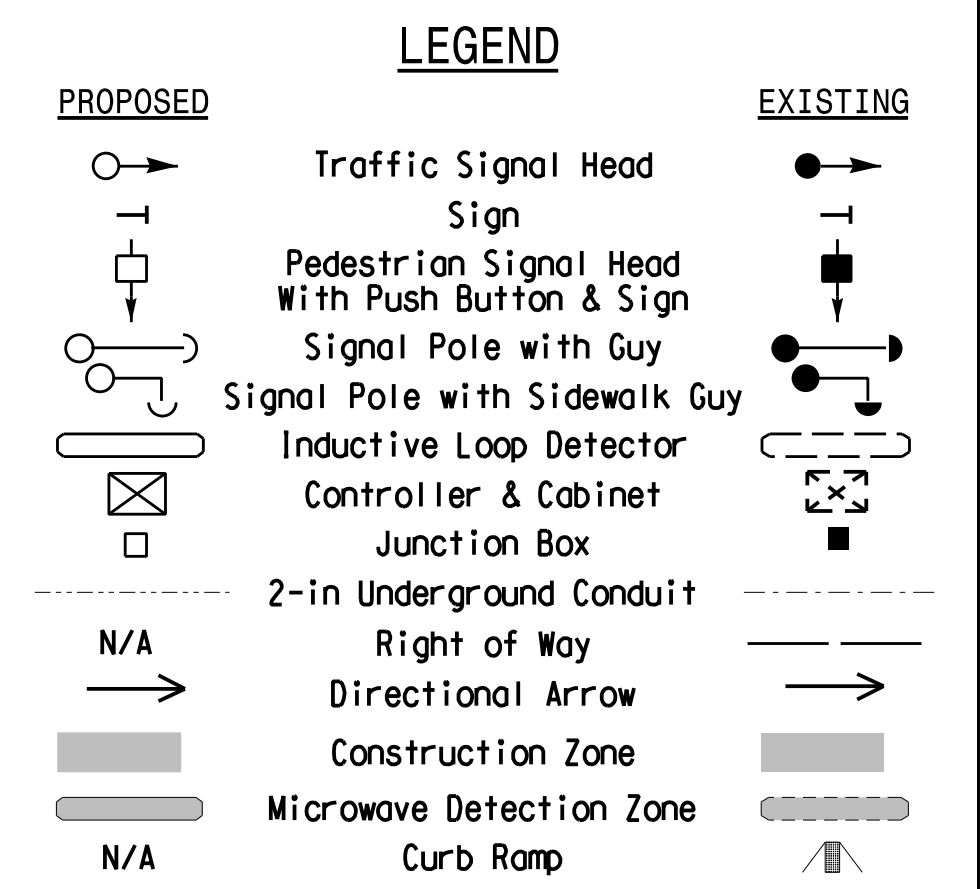
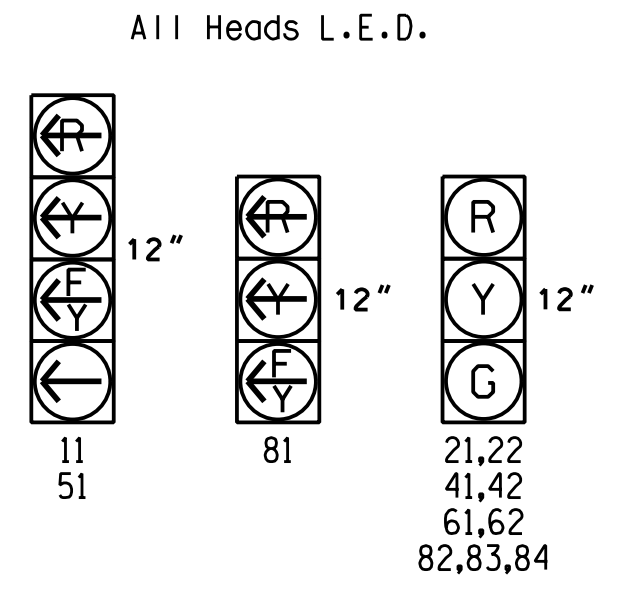
- Refer to "Roadway Standard Drawings NCDOT" dated January 2024 and "Standard Specifications for Roads and Structures" dated January 2024.
- Do not program signal for late night flashing operation unless otherwise directed by the Engineer.
- Phase 1 and/or 5 may be lagged.
- Reposition existing signal heads numbered 11, 21, 22, 51, 61, and 62.
- Set all detector units to presence mode.
- This intersection uses multi-zone microwave detection. Install detectors according to the manufacturer's instructions to achieve the desired detection.
- Maximum times shown in timing chart are for free-run operation only. Coordinated signal system timing values shall supersede these values.



**MAXTIME TIMING CHART**

FEATURE	PHASE							
	1	2	4	5	6	8		
Walk *	-	-	-	-	-	-	-	-
Ped Clear *	-	-	-	-	-	-	-	-
Min Green	7	12	7	7	12	7		
Passage *	2.0	6.0	2.0	2.0	6.0	2.0		
Max I *	35	90	25	20	90	25		
Yellow Change	3.0	4.5	4.4	3.0	4.5	4.4		
Red Clear	2.8	1.4	1.8	2.3	1.4	1.8		
Added Initial *	-	1.5	-	-	1.5	-		
Maximum Initial *	-	34	-	-	34	-		
Time Before Reduction *	-	15	-	-	15	-		
Time To Reduce *	-	30	-	-	30	-		
Minimum Gap	-	3.0	-	-	3.0	-		
Advance Walk	-	-	-	-	-	-		
Non Lock Detector	X	-	X	X	-	X		
Vehicle Recall	-	MIN RECALL	-	-	MIN RECALL	-		
Dual Entry	-	-	X	-	-	X		

**SIGNAL FACE I.D.**



Signal Upgrade - Temporary Design 2 (Construction Phase IIIA)

**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

	US 64 Bus. (Dixie Dr) at SR 1144 (Mack Rd)/Fisher Cir		
	Division 8 Randolph County Asheboro PLAN DATE: August 2021 REVIEWED BY: A.D. Klinksiek PREPARED BY: N.K. Vlanich REVIEWED BY: N.R. Simmons	REVISIONS INIT. DATE	